

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

as file reference	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
T/KR2005/000932	31 MARCH 2005 (31.03.2005)	31 MARCH 2004 (31.03.2004)	
Applicant			
PURIMED CO., LTD. et al			

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23 I(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☒ **Unity of invention is lacking** (See Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. NONE

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because of the following reasons:

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

Claim 5 concerns a pharmaceutical composition, and claim 6 concerns a health food. Although the abovementioned claims are relevant to the composition comprising the same active ingredient, there is no technical relationship between a pharmaceutical composition and a food composition.

Hence, the application contains the following separate groups of inventions not so linked as to form a single general inventive concept (PCT Rule 13.1):

- i) Claims 1-5
- ii) Claims 1-4 and 6

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 A61K 35/78, A23L 1/29**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

A61K 35/78, A23L 1/29

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubMed on-line

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	• KR 2002-0079104 A (PURIMED CO., LTD.), 10 October 2003 See entire document	1-6
A	• MUKHERJEE, P.K. et al. 'Studies on psychopharmacological effects of Nelumbo nucifera Gaertn. rhizome extract' In; J. Ethnopharmacol. 1996; 54(2-3): 63-7	1-6
A	• SHOJI, N. et al. 'Asimilobine and lirinidine, serotonergic receptor antagonists, from Nelumbo nucifera' In; J. Nat. Prod. 1987; 50(4): 773-4	1-6
A	• QUIN, I.Q. 'Cardiovascular pharmacological effects of bisbenzylisoquinoline alkaloid derivatives' In; Acta Pharmacol. Sin. 2002; 23(12): 1086-92	1-6
A	• SOHN, D.H. et al. 'Hepatoprotective and free radical scavenging effects of Nelumbo nucifera' In; Phytomedicine, 2003; 10(2-3): 165-9	1-6
A	• SINHA, S. et al. 'Evaluation of antipyretic potential of Nelumbo nucifera stalk extract' In; Phytother. Res. 2000; 14(4): 272-4	1-6
A	• MUKHERJEE, P.K. et al. 'Effect of Nelumbo nucifera rhizome extract on blood sugar level in rats' In; J. Ethnopharmacol. 1997; 58(3): 207-13	1-6

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

21 JUNE 2005 (21.06.2005)

Date of mailing of the international search report

**22 JUNE 2005 (22.06.2005)**

Name and mailing address of the ISA/KP

Authorized officer

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2002-0079104 A	10/10/2003	NONE	